

Waste Water Treatment Plant

Capture of large solids, removal of finer solids, marine growth, antifoul and hydrocarbon contamination suitable for sewer discharge as follows:

1. **Flow rate** – treating at 80 LPM or 4,800L/hr maximum.
2. **Volume** estimated at 7,000 to 10,000L per day normal operation (clean one vessel).
3. **Pump** - Manual ON/OFF/AUTO controller in IP rated poly panel.
4. **Manual backwash to all housings.**
5. **Discharge to sewer:**
 - a. 1 x in tank (below grate) primary solids capture bag in galvanized steel cage.
 - b. 1 x in ground concrete primary pit.
 - c. 3 x in ground concrete pits.
 - d. 1 x level switch (pump control) to 3rd pit (auto LL OFF & HL ON for pump).
 - e. Suction foot valve and riser pipe ABS to pump.
 - f. 1 x 20ft container with:
 - i. Airconditioning.
 - ii. Personnel access door.
 - iii. Internal lighting.
 - iv. 2 x GPO (10amp).
 - v. Process and backwash pump Ebara 3 phase 400V.
 - vi. Pump controller IP65 Auto/Manual ON/OFF switch.
 - vii. Time delay control.
 - viii. Flow control valve, barrel unions, pressure gauge and pipe fittings.
 - ix. Interconnecting pipe between OLEOLOGY supply filtering components.
 - x. 3 x in series MXR400 backwashable media filters with media.
 - xi. 2 x in series MXH4-40 MyCelx 304SS filter housings each fitted with MyCelx cartridge/filters.
 - xii. Pump with pipe discharge to filters and Back wash from filters.
 - xiii. Back wash with manual valves and pipe to all MXR and MXF filters.

 **BASEMARINE**

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